

**To:** Wall, Dan[wall.dan@epa.gov]  
**From:** OBrien, Wendy  
**Sent:** Mon 8/10/2015 2:58:00 PM  
**Subject:** RE: King Gold - EU call

Who is the START gal working on eco values? Need to hook her and Kristen up.

Wendy O'Brien, DVM, PhD, DABT

Toxicologist, Ecosystems Protection and Remediation

USEPA Region 8

1595 Wynkoop Street

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Phone: 303.312.6712

FAX: 303.312.7151

**From:** Wall, Dan  
**Sent:** Monday, August 10, 2015 8:24 AM  
**To:** OBrien, Wendy; Turner, Philip; Rauscher, Jon; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

Im jumping in the middle of a comverstation without the luxury of being able to read but, The southern Ute Tribe (south of Durango) is going to be using AWQC or tribe numbers.

Zinc is a biggest eco number for this area and we with USGS have already shown that Zn is conservative in that at ambient pHs it remains mostly dissolved in water column and is a good marker chemical for the movement of the plume.

I am going to need action numbers for sediment and soils as well. We will be putting SanJuan county in a landfill if we use Eco SSLs and Concensus sed numberds as clean up numbers.

We also committed ourselves to look at wildlife last night. Hg food chain models...

**From:** OBrien, Wendy  
**Sent:** Monday, August 10, 2015 7:47 AM  
**To:** Turner, Philip; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

ASAP, need your wishes for first 4 metals we want trend lines for. Otherwise I will go with arsenic, copper, manganese, and cadmium.

Thx

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**From:** Turner, Philip  
**Sent:** Monday, August 10, 2015 7:09 AM  
**To:** OBrien, Wendy; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

I'm actually glad to hear of the CO specific numbers, because we have been planning on using numbers provided by NM... which are not quite as stringent as those Canada numbers were. However, we were going to use the Canada numbers to fill in a few gaps. NM offered different numbers for livestock and irrigation, and I think that is a good idea. Irrigation numbers are generally a lower because if you water with this stuff in an arid environment, whatever is in it will accumulate in the soils.

For eco water values, we are planning also to use values provided by NM. They are acute and chronic values for aquatic life, and since these are hardness specific, they are likely to be different among us. The Animas on our end hovers around a hardness of 180.

**From:** OBrien, Wendy  
**Sent:** Monday, August 10, 2015 7:58 AM  
**To:** Turner, Philip; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

Yes, the values are MCLs I'm adding in Colo specific values as well as eco values (will need review by eco folks). Ag numbers updated to Colorado recommendations. Include irrigation and livestock.

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**From:** Turner, Philip  
**Sent:** Monday, August 10, 2015 6:56 AM  
**To:** OBrien, Wendy; Rauscher, Jon; Wall, Dan; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

Hi Wendy,

I assume these GW screening levels are MCLs? I'm also curious what/why the changes to the livestock numbers. These are quite different than the others (from Canada). We can discuss this on our call this morning. Hopefully, you guys are available.

Phil

**From:** OBrien, Wendy  
**Sent:** Sunday, August 09, 2015 7:10 PM  
**To:** Rauscher, Jon; Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah  
**Subject:** RE: King Gold - EU call

Yes – this will be for the public viewer, the one Eric Delgado is doing for R6.

Here is a consolidated table of screening values, please note agricultural values have been updated. We also need to confer with eco tox folks regarding eco screening levels.

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**From:** Rauscher, Jon

**Sent:** Sunday, August 09, 2015 6:07 PM

**To:** OBrien, Wendy; Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah

**Subject:** RE: King Gold - EU call

Wendy,

Is the map with boxes for the public display of the data?

Thanks, Jon

**From:** OBrien, Wendy

**Sent:** Sunday, August 09, 2015 7:03 PM

**To:** Wall, Dan; Turner, Philip; Black, Ned; McKean, Deborah; Rauscher, Jon

**Subject:** RE: King Gold - EU call

All,

We are preparing maps with call out boxes indicating concentrations of different metals at different stations along the river. For our initial go, we'd like to identify the top 4 metals folks would like to see, along with pH.

Please send me your top 4 metals you might be most interested in at this stage. Examples might be copper, manganese, arsenic, zinc, cadmium. There you go, I just identified more than 4. Please let me know your preference, as soon as you are able.

Thx.

wo

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**From:** Wall, Dan

**Sent:** Sunday, August 09, 2015 4:24 PM

**To:** Turner, Philip; Black, Ned; Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon

**Cc:** David Crow; [Janine.Latham@WestonSolutions.com](mailto:Janine.Latham@WestonSolutions.com)

**Subject:** RE: King Gold - EU call

Sorry we didn't make it. Public meeting tonight and tomorrow night.

**From:** Turner, Philip

**Sent:** Sunday, August 09, 2015 3:39 PM

**To:** Black, Ned; Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon

**Cc:** David Crow; [Janine.Latham@WestonSolutions.com](mailto:Janine.Latham@WestonSolutions.com)

**Subject:** RE: King Gold - EU call

We had the call at 3 Central time. I was wondering why only Wendy from R8 called in.

You did not miss anything since even Wendy was only on for 2 minute.

We'll try again tomorrow, I guess.

Phil

**From:** Black, Ned  
**Sent:** Sunday, August 09, 2015 4:22 PM  
**To:** Delgado, Eric; Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon; Turner, Philip  
**Cc:** David Crow; [Janine.Latham@WestonSolutions.com](mailto:Janine.Latham@WestonSolutions.com)  
**Subject:** RE: King Gold - EU call

Yo dudes, what happened to the 2 PM call? Did it happen at 1 PM? Is there also a call at 3PM?

ned black, ph.d.

us epa r9

regional cercla ecologist

415-972-3055

Please be advised I currently have limited access to email when I am not in the office (e.g., on travel), therefore please be patient with any communication delays.

**From:** Delgado, Eric  
**Sent:** Sunday, August 09, 2015 12:57 PM  
**To:** Nattis, Randy; Hiatt, Gerald; McKean, Deborah; Wall, Dan; Keteles, Kristen; OBrien, Wendy; Rauscher, Jon; Turner, Philip; Black, Ned  
**Cc:** David Crow; [Janine.Latham@WestonSolutions.com](mailto:Janine.Latham@WestonSolutions.com)  
**Subject:** King Gold - EU call

I think we need some of our START contractors in this call since they are coordinating the labs.

Thoughts?

**King Gold - EU call**

Scheduled: Sunday, Aug 9, 2015 from 3:00 PM to 4:00 PM

Location:

Invitees: Nattis, Randy, Hiatt, Gerald, McKean, Deborah, Wall, Dan, Keteles, Kristen, OBrien, Wendy, Rauscher, Jon, Turner, Philip, Black, Ned

Sent from my iPad